

Claim Amendments

What is claimed is:

Claim 1 (currently amended) A learned routing electronic form generation system comprising:

- a computer coupled to each of one or more visual displays, wherein the computer generates one or more learned routing electronic forms, wherein each learned routing form includes:
 - a plurality of visual elements comprising text or data fields and graphical elements for receiving user data input; and
 - a plurality of non-visual programmatic elements that are linked to the plurality of visual elements to process the received user data input, wherein the computer processes the received user data input to automatically change the plurality of visual elements or the plurality of non-visual programmatic elements in response to the received user data input without server interaction, the plurality of non-visual programmatic elements further including elements to populate a heuristically generated routing selection list based on a history of previous routing transactions; and
- a second computer, wherein ~~the~~ a server-side application processes the received user data input to change both the visual and non-visual elements within each electronic form, without server interaction and uses the heuristically generated routing selection list to allow a user to either confirm the routing selection list or select one or more recipients from the routing selection list.

Claim 2 (currently amended) The learned routing electronic form generation system of claim 1 wherein upon submission of a completed electronic form by ~~an~~ user, the server-side application uses the received user data input provided by the completed electronic form to query a submitting user to identify one or more subsequent users for form routing by making a selection from the heuristically generated routing selection list.

Claim 3 (currently amended) ~~The self-directed~~ learned routing electronic form generation system of claim 2 further comprising providing the submitting user one or more visual clues on the form for a ~~self-directed~~ learned routing approach.

Claim 4 (currently amended) The learned routing electronic form generation system of claim 3 wherein with each successive route by the server-side application to each subsequent user, a form routing path defined by a previous user may be ~~changed~~ invalidated by a subsequent user modifying a set of selected elements in a routing of each electronic form itself some of the received user data input in the electronic form.

Claim 5 (cancelled)

Claim 6 (currently amended) A learned routing electronic form generation process comprising:

- generating by a computer one or more automated electronic forms, wherein generating each automated electronic form includes:
 - providing a plurality of visual elements having text or data fields and graphical elements for receiving user data input; and
 - providing a plurality of non-visual programmatic elements that are linked to the plurality of visual elements to process the received user data input, the plurality of non-visual programmatic elements further including elements to populate a heuristically generated routing selection list based on a history of previous routing transactions,
- wherein the computer processes the received user data input to automatically change the plurality of visual elements or the plurality of non-visual programmatic elements in response to the received user data input without server interaction; and
- providing a server-side application residing on the computer to selectively provide the received user data input over the server to another computer, wherein the server-side applications processes the received user data input to change both the visual and non-visual elements within each electronic form, without server interaction and uses the heuristically generated routing selection list to allow a user to either confirm the routing selection list or select one or more recipients from the routing selection list.

Claim 7 (currently amended) The ~~self-directed routable~~ learned routing electronic form generation process of claim 6 wherein upon submission of a completed electronic form by ~~an~~ user, processing by the server-side application the received user data input provided by the completed electronic form to query a submitting user to identify one or more subsequent users for form routing by making a selection from the heuristically generated routing selection list.

Claim 8 (cancelled)

Claim 9 (new) A learned routing electronic selection form tangibly embodied on a computer-readable medium for display on an electronic system comprising:

- a plurality of visual elements including text or graphical elements displaying one or more recipients to whom one or more work flow transaction types have been previously routed by a submitting user,
- a display by text, graphics, or position of the most likely recipient of any new work flow transaction processed by the submitting user as determined by a heuristic analysis of types of work flow, roles of the submitting user, titles of potential recipients of any work flow transaction, and dates of any work flow transactions recently routed by the submitting user, and
- a suggestion to select from the display of one or more routing recipients previously chosen by the submitting user for any workflow or to enter a new recipient, wherein a record of the recipient of the new work flow transaction is added to the knowledge base of the submitting user's history of any work flow transaction for heuristic analysis and possible display to the submitting user in a future learned routing electronic selection form.